Using a Massive Agent-based Model to Study the Spread of Epidemics



EpiSimS simulation of Pandemic Influenza H1N1 spread throughout the US.

EpiSimS is a large-scale agent-based discrete-event engine that simulates the detailed person-to-person contact in synthetic populations. EpiSimS can simulate disease spread at sufficient fidelity to capture geospatially varying demographic characteristics, travel patterns of individuals, and transmission opportunities through household, work, school, social, and casual contacts.



